

REMARKS

The Examiner's action of November 17, 2006 is noted in which Claims 29-32 are allowed and in which the remainder of the claims are rejected under 35 USC 112, First Paragraph, due to the claiming of a "stable resonator."

The informality in Claim 6 in which language is repeated on Page 2 and Page 3 has been corrected by the subject Amendment.

Moreover, Claim 11 is rejected under 35 USC 102 as being anticipated by Sobey et al.

At the outset, Applicant used the word "stable" in terms of the pumping OPO because, as can clearly be seen, Sobey et al. require an "unstable resonator." This can be seen in all of Sobey et al.'s independent claims.

Applicant now claims that the laser-pumped OPO has a conventional resonator and therefore is not unstable. The entire subject Patent Application supports a conventional resonator as a pumping OPO.

Applicant has also made clear in the claims that the pumping of the laser-pumped OPO has seeded pumping energy in which the output of an unseeded pump laser is seeded. This contrasts with Sobey et al. describing an injection-seeded Nd:YAG laser.

Finally, all independent claims also claim that the laser-pumped OPO is non-collinearly phase-matched.

When one looks at the body of the Sobey et al. patent one sees a system comprised of a laser-pumped tunable OPO with narrow line output. This is achieved by (1) pumping the OPO with a narrow line-width laser, namely the injection-seeded Nd:YAG laser, and (2) by seeding a power OPO with a master oscillator (basically another OPO tuned to the exact wavelength as the

power OPO, but narrowed in line width using a diffraction grating or special mirror control). In contrast, the claimed system operates in a totally different fashion. Thus a 35 USC 102 rejection will not lie.

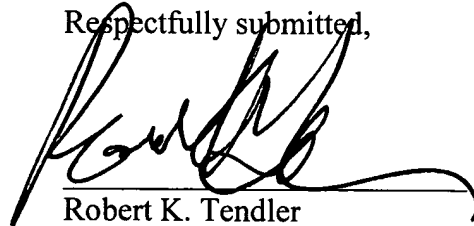
In short, Sobey et al. do not use an OPO that is pumped with seeded pumping energy in which the output of an unseeded pump laser is seeded.

Further, Examiner is invited to point out where in Sobey et al. is taught the claimed non-collinearly phase-matched laser-pumped OPO

No new search is necessary as no new issues are raised by this Amendment.

It is Applicant's contention that the claims are now in condition for allowance. Allowance of the claims and issuance of the case are therefore earnestly solicited. Alternatively, entry of this Amendment for purposes of appeal is requested.

Respectfully submitted,



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2/8/2007